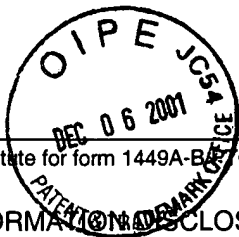


#4

Substitute for form 1449A, PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known		RECEIVED DEC 11 2001 TECH CENTER 1600/2900
	Application Number	09/554,996	
	Filing Date	May 24, 2000	
	First Named Inventor	Mark T. Keating	
	Group Art Unit	3736	
	Examiner Name	Unassigned	
Attorney Docket Number	408-916010US		

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
SL	AA	4,323,358	8/94/11	Lentz et al.	04/06/1982	
	AB	4,352,887	435/240	Reid et al.	10/05/1982	
	AC	4,553,974	8/94/11	Dewanjee	11/19/1985	
	AD	4,739,762	128/343	Palmar	04/26/1988	
	AE	4,877,599	424/11	Lees	10/31/1989	
	AF	4,960,423	623/1	Smith	10/02/1990	
	AG	4,976,734	623/11	Urry et al.	12/11/1990	
	AH	5,064,430	623/1	Urry	11/12/1991	
	AI	5,336,256	623/1	Urry	08/09/1994	
	AJ	5,591,224	623/1	Schwartz et al.	01/07/1997	
	AK	5,595,571	8/94/11	Jaffe et al.	01/21/1997	
	AL	5,628,785	623/1	Schwartz	05/13/1997	
	AM	5,650,282	435/6	Keating et al.	07/22/1997	
	AN	5,716,394	623/1	Bruchman et al.	02/10/1998	
	AO	5,720,777	623/2	Jaffe et al.	02/24/1998	
	AP	5,726,153	574/12	Lees et al.	03/10/1998	
	AQ	5,728,420	427/2,12	Keogh	03/17/1998	
	AR	5,749,895	606/214	Sawyer et al.	05/12/1998	
	AS	5,776,182	623/1	Bruchman et al.	07/07/1998	
	AT	5,791,352	128/888	Reich et al.	08/11/1998	
	AU	5,840,489	435/6	Keating et al.	11/24/1998	
SL	AV	5,843,180	623/2	Jaffe et al.	12/01/1998	
Examiner Signature	Shin-Lin Chen			Date Considered	5-6-02	

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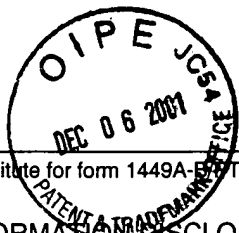
Substitute for form 1449A-B (7-70) INFORMATIONAL DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>	Complete if Known	
	Application Number	09/554,996
	Filing Date	May 24, 2000
	First Named Inventor	Mark T. Keating
	Group Art Unit	3736
	Examiner Name	Unassigned
	Attorney Docket Number	408-916010US

42	AW	5,843,181	623/2	Jaffe et al.	12/01/1998	
	AX	5,852,009	514/212	Cerami et al.	12/22/1998	
	AY	5,855,620	623/11	Bishopric et al.	01/05/1999	
	AZ	5,856,245	442/76	Caldwell et al.	01/05/1999	
	BA	5,858,662	435/6	Keating et al.	01/12/1999	
	BB	5,874,164	428/706.6	Caldwell	02/23/1999	
	BC	5,891,506	427/213	Keogh	04/06/1999	
	BD	5,891,558	428/218	Bell et al.	04/06/1999	
	BE	5,925,552	435/174	Keogh et al.	07/20/1999	
	BF	5,928,916	435/174	Keogh	07/27/1999	
	BG	5,945,319	435/174	Keogh	08/31/1999	
	BH	5,955,055	424/1.69	Lees et al.	09/21/1999	
	BI	5,972,890	514/13	Lees et al.	10/26/1999	
52	BJ	5,990,379	623/11	Gregory	11/23/1999	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
52	BK	JP	59112951			06/29/1984		
	BL	JP	59112909			06/29/1984		
	BM	WO	90/07936		Chiron Corporation	07/26/1990		
	BN	WO	92/19195		Brown University Research Foundation, et al.	11/12/1992		
52	BQ	WO	92/22309		Imperial Chemical Industries PLC	12/23/1992		

Examiner Signature	<i>Shin-Lin Chen</i>	Date Considered	<i>5-6-02</i>
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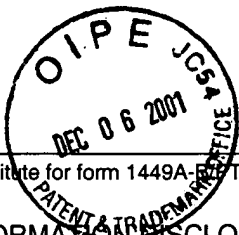
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	Filing Date	May 24, 2000 DEC 11 2001
	First Named Inventor	Mark T. Keating
	Group Art Unit	3736
	Examiner Name	Unassigned
Attorney Docket Number	408-916010US	

4u	BP	WO	94/25503		Cytotherapeutics, Inc. et al.	11/10/1994		
	BQ	WO	95/01203		Cytotherapeutics, Inc. et al.	01/12/1995		
	BR	WO	95/05452		Cytotherapeutics, Inc. et al.	02/23/1995		
	BS	WO	96/02286		Cytotherapeutics, Inc.	02-01-1996		
	BT	WO	96/02646		Cytotherapeutics, Inc.	02-01-1996		
	BU	WO	96/40871		Cytotherapeutics, Inc.	12-19-1996		
	BV	WO	96/40959		Cytotherapeutics, Inc. et al.	12-19-1996		
	BW	WO	97/12635		Cytotherapeutics, Inc. et al.	04-10-1997		
	BX	WO	97/34998		Human Genome Sciences, et al.	09-25-1997		
	BY	WO	98/01740		University of Utah Research Foundation	01/15/1998		
	BZ	WO	99/03886		The University of Sydney et al.	01/28/1999		
	CA	WO	99/45941		MRS, LLC et al.	09/16/1999		
4u	CB	WO	99/53943		Angiogenix, et al.	10/28/1999		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
4u	CC	Adams, J.C. et al., <i>Development</i> 117:1183-1198 (1993).	
4u	CD	American Heart Association, <i>Heart and Stroke Facts: 1996 Statistical Supplement</i>	
Examiner Signature	Shin-Lin Chen		Date Considered
			5-6-02

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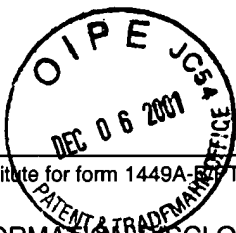


Substitute for form 1449A-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known	
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	Filing Date	May 24, 2000
	First Named Inventor	Mark T. Keating
	Group Art Unit	3736
	Examiner Name	Unassigned
	Attorney Docket Number	408-916010US

		(American Heart Association, Dallas, TX) (1996).	
4u	CE	Beck, L. and D'Amore, <i>FASEB J.</i> 11:365-373 (1997).	
	CF	Bloom W. and Fawcett, D., <i>A Textbook of Histology</i> , 10 Ed., pages 398-402 (Saunders, Philadelphia)(1975).	
	CG	Boyle, W.A. and Maher G.M., <i>Anesthesiology</i> 82:221-235 (1995).	
	CH	Burn, J. and Goodship, J. et al., "Developmental Genetics of the Heart" <i>Curr. Opin. Dev.</i> 6:3:322-325 (June 1996)	
	CI	Carmeliet, P. et al., <i>Nature</i> 380:435-439 (1996).	
	CJ	Cowan, K. et al., "Serine Elastase and Matrix Metalloproteinase (MMP) Inhibition Induced Pulmonary Artery (PA) Smooth Muscle Cell (SMC) Apoptosis Leading to Regression of Vascular Hypertrophy" <i>Molecular Biology of the Cell</i> 8 (Supp.) Page 287A (1997).	
	CK	Curran, M. et al., <i>Cell</i> 73:159-168 (1993).	
	CL	Davis, E.C., <i>Lab. Invest.</i> 68:89-99 (1993).	
	CM	Davis, E.C., <i>J. Histochem. Cytochem.</i> 43:1115-1123 (1995).	
	CN	Deng, C. et al., <i>Mol. Cell. Biol.</i> 13:2134-2140 (1993).	
	CO	Dietz, H.C. and Pyeritz, R.E., <i>Hum. Mol. Genet.</i> 4:1799-1809 (1995).	
	CP	Ewart, A. et al., <i>Proc. Natl. Acad. Sci. USA</i> 90:3226-3230 (1993).	
	CQ	Ewart, A. et al., <i>Nature Genetics</i> 5:11-16 (1993).	
	CR	Ewart, A. et al., <i>J. Clin. Invest.</i> 93:1071-1077 (1994).	
	CS	Ferrara, N. et al., <i>Nature</i> 380:439-442 (1996).	
	CT	Folkman, J. and D'Amore, <i>Cell</i> 87:1153-1155 (1996).	
	CU	Fong, G.H. et al., <i>Nature</i> 376:66-70 (1995).	
	CV	Galis, Z.S. et al., <i>J. Clin. Invest.</i> 94:2493-2503 (1994).	
5u	C W	Gardner, H. et al., <i>Dev. Biol.</i> 175:301-313 (1996).	

Examiner Signature	Shin-Lin Chen	Date Considered	5-6-00
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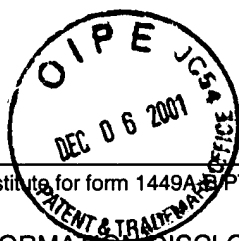


Substitute for form 1449A-BPTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known	
	Application Number	09/554,996
	Filing Date	May 24, 2000
	First Named Inventor	Mark T. Keating
	Group Art Unit	3736
	Examiner Name	Unassigned
	Attorney Docket Number	408-916010US

44	CX	George, E.L. et al., <i>Development</i> 119:1079-1091 (1993).	
	CY	Gibbons, G.H. and Dzau, V.J., <i>Science</i> 272:689-693 (1996).	
	CZ	Glagov, S et al., <i>N. Engl. J. Med.</i> 316:1371-1375 (1987).	
	DA	Glukhova, M.A. et al.; <i>Am. J. Physiol.</i> 261:78-80 (1991).	
	DB	Gumbiner, B.M., <i>Cell</i> 84:345-357 (1996).	
	DC	Hanahan, D. <i>Science</i> 277:48-50 (1997).	
	DD	Houdebine, Louis Marie, <i>J. Biotechnology</i> 34:269-287 (1994).	
	DE	Hynes, R.O., <i>Cell</i> 69:11-25 (1992).	
	DF	Hynes, R.O., <i>Curr. Opin. Genet. Dev.</i> 4:569-574 (1994).	
	DG	Ito, S. et al., "Inhibitory Effect of Type 1 Collagen Gel Containing α -elastin on Proliferation and Migration of Vascular Smooth Muscle And Endothelial Cells" <i>Cardiovascular Surgery</i> 5:2:176-183 (1997).	
	DH	Katoh, Y. and Periasamy, M., <i>Trends Cardiovasc. Med.</i> 6:100-106 (1996).	
	DI	Keating, M., <i>Trends in Cardiovascular Medicine</i> 4:165-169 (1994).	
	DJ	Keating, M.T., <i>Circulation</i> 92:142-147 (1995).	
	DK	Keating, M.T., "On the Trail of Genetic Culprits in Williams Syndrome" <i>Cardiovasc. Res.</i> 36:134-137 (1997).	
	DL	Koyama, H. et al., <i>Cell</i> 87:1069-1078 (1996).	
	DM	Langille, B.C. and Ojhu M., <i>Trends Cardiovasc. Med.</i> 7:111-118 (1997).	
	DN	Li, D.Y. et al., "Elastin Point Mutations Cause an Obstructive Vascular Disease, Supravalvular Aortic Stenosis" <i>Hum. Mol. Genet.</i> 6:1021-1028 (1997).	
	DO	Li, D.Y. et al., "Elastin is an Essential Determinant of Arterial Morphogenesis" <i>Nature</i> 393:276-280 (1998).	
50	DP	Li, D.Y. et al., "Novel Arterial Pathology in Mice and Humans Hemizygous for Elastin" <i>J. Clin. Invest.</i> 102:10:1783-1787 (1998).	

Examiner Signature	Shin-Lin Chen	Date Considered	5-6-02
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	Filing Date	May 24, 2000
	First Named Inventor	Mark T. Keating
	Group Art Unit	3736
	Examiner Name	Unassigned
	Attorney Docket Number	408-916010US

42	DQ	Lindahl, P. et al., <i>Science</i> 277:242-245 (1997).	
	DR	Lohler, J. et al., <i>Cell</i> 38:597-607 (1984).	
	DS	Machii, M. and Becker, A.E., <i>Ann. Thorac. Surg.</i> 64:511-515 (1997).	
	DT	Mansour, S.L. et al., <i>Nature</i> 336:348-352 (1988).	
	DU	Milnor, W.R., <i>Principles of Hemodynamics in Cardiovascular Physiology</i> , Oxford University Press, 184-186 (1990).	
	DV	Murayama et al., <i>AM. J. Physiol.</i> 261(6, pt 2) H1716-H1726 (1991).	
	DW	O'Connor, W.N. et al., <i>Arch. Pathol. Lab Med.</i> 109:179-185 (1985).	
	DX	Ooyama, T. et al., "Substratum-Bound Elastin Peptide Inhibits Aortic Smooth Muscle Cell Migration in Vitro" <i>Arteriosclerosis</i> 7:6:593-598 (1987).	
	DY	Owens, G.K., <i>Physiol. Rev.</i> 75:487-517 (1995).	
	DZ	Palmiter et al., <i>Science</i> 222:809-814 (1983).	
	EA	Parks, William C. et al., "The Extracellular Matrix" <i>Advances in Molecular and Cell Biology</i> 6:133-182 (1993).	
	EB	Perou, M., <i>Arch. Pathol.</i> 71:113-126 (1961).	
	EC	Perrin, S. and Foster, J., "Developmental Regulation of Elastin Gene Expression" <i>Crit. Rev. Eukaryot. Gene Expr.</i> 7(1&2):1-10 (1997).	
	ED	Prosser, I.W. et al., <i>Am. J. Pathol.</i> 135:1073-1088 (1989).	
	EE	Pursel et al., <i>Reprod. Fert. Suppl.</i> 40, p.235-245 (1990).	
	EF	Rabinovitch, M., "Cell-Extracellular Matrix Interactions in the Ductus Arteriosus and Perinatal Pulmonary Circulation" <i>Semin. Perinatol.</i> 20(6):531-541 (December 1996).	
	EG	Reitamo et al., <i>Biological Journal</i> , 302(pt 2):331-333 (1994).	
	EH	Ross, R., <i>Nature</i> 362:801-809 (1993).	
	EI	Saga, Y. et al., <i>Genes Dev.</i> 6:1821-1831 (1992).	
42	EJ	Sato, T.N. et al., <i>Nature</i> 376:70-74 (1995).	

Examiner Signature	Shin-Lin Chen	Date Considered	5-6-02
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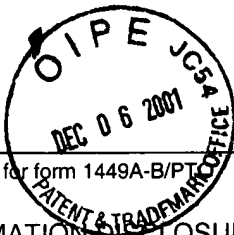
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	Application Number	09/554,996
	Filing Date	May 24, 2000
	First Named Inventor	Mark T. Keating
	Group Art Unit	3736
	Examiner Name	Unassigned
	Attorney Docket Number	408-916010US

SM	EK	Sauvage, M. et al., "Aortic Elastin and Collagen Content and Synthesis in Two Strains of Rats with Different Susceptibilities to Rupture of the Internal Elastic Lamina" <i>J. Vasc. Res.</i> 34:126-136 (1997).	
	EL	Schwartz, S.M. et al., <i>Physiol. Rev.</i> 70:1177	
	EM	Schwartz, S.M. et al., <i>Circ. Res.</i> 77:445-465 (1995).	
	EN	Seamark, R.F., <i>Reprod. Fert. Dev.</i> 6:653-657 (1994).	
	EQ	Sechler et al., <i>Ciba Foundation Symposium</i> 192:148-171 (1995).	
	EP	Senior, Robert M. et al., "Chemotactic Activity of Elastin-derived Peptides" <i>J. Clin. Invest.</i> 66:859-862 (1980).	
	EQ	Senior, Robert M. et al., "Val-Gly-Val-Ala-Pro-Gly, a Repeating Peptide in Elastin, Is Chemotactic for Fibroblasts and Monocytes" <i>The Journal of Cell Biology</i> 99:870-874 (September 1984).	
	ER	Shalaby, F. et al., <i>Nature</i> 376:62-66 (1995).	
	ES	Suri, C. et al., <i>Cell</i> 87:1171-1180 (1996).	
	ET	Tajima, Shingo, "Correlation of Elastin Expression and Vascular Smooth Muscle Cell Proliferation in vitro" <i>Extracellular Matrix-Cell Interactions: Molecules to Diseases</i> (Japan Scientific Societies Press) Pages 109-121 (1998).	
	EU	Tassabehij, M. et al., "An Elastin Gene Mutation Producing Abnormal Tropoelastin and Abnormal Elastic Fibres in a Patient with Autosomal Dominant Cutis Laxa" <i>Hum. Mol. Genet.</i> 7:6:1021-1028 (1998).	
	EV	Tassabehij, M. et al., "Elastin Genomic Structure and Point Mutations in Patients with Supravalvular Aortic Stenosis" <i>Hum. Mol. Genetics</i> 6:7:1029-1036 (1997).	
	EW	Terpin, T. and Roach, M.R., <i>Can. J. Physiol. Pharmacol.</i> 65:395-400 (1987).	
	EX	Thomas, K.R. and Capecchi, M.R., <i>Nature</i> 346:847-850 (1990).	
	EY	Thompson, R.W., <i>Curr. Opin. Cardiol.</i> 11:504-518 (1996).	
	EZ	Wolinsky, H. and Glagov, S., <i>Circ. Res.</i> 20:99-111 (1967).	
SM	FA	Wu, Y.-Q. et al., "Delineation of the Common Critical Region in Williams Syndrome and Clinical Correlation of Growth, Heart Defects, Ethnicity, and Parental Origin" <i>Am. J. Med. Genet.</i> 78:82-89 (1998).	
Examiner Signature	Shin-Lin Chen		Date Considered 5-6-02

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	Group Art Unit	3736
	Examiner Name	Unassigned
	Attorney Docket Number	408-916010US

302	FB	Yamamoto, M. et al., "Increase in Elastin Gene Expression and Protein Synthesis in Arterial Smooth Muscle Cells Derived From Patients With Moyamoya Disease" Stroke 28(9):1733-1738 (September 1997).	
1	FC	Yang, J.T. et al., <i>Development</i> 119:1093-1105 (1993).	
	FD	Zheng, X. et al., <i>Proc. Natl. Acad. Sci. USA</i> 92:12426-12430 (1995).	
500			

Examiner Signature	Shin-Lin Chen	Date Considered	5-26-02
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